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# **FEE TRANSMITTAL For FY 2001**

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$)-0-

## **Complete If Known**

Application Number	09833466
Filing Date	4/11/2001
First Named Inventor	Jeong et al
Examiner Name	not yet assigned
Group Art Unit	not yet assigned
Attorney Docket No	B-1537

## **METHOD OF PAYMENT (check one)**

☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 02-1275  
Deposit Account Name: Battelle Memorial Institute - PND

☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

☒ Applicant claims small entity status

2 Payment Enclosed  
☐ check ☐ Money Order ☐ Other

## **FEE CALCULATION**

### **1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
101	201	Utility filing fee	
106	206	Designing filing fee	
107	207	Plant filing fee	
108	208	Reissue filing fee	
114	214	Provisional filing fee	

SUBTOTAL (1) (\$)-0-

### **2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee Form	Fee Paid
31	31	<input checked="" type="checkbox"/>	
Independent Claims	5	<input checked="" type="checkbox"/>	
Multiple Dependent		<input type="checkbox"/>	

\*\*or number previously paid, if greater. For Reissues, see below

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
103	203	Claims in excess of 20	
104	204	Claims in excess of 10	
105	205	Multiple dependent claims not paid	
106	206	Claims in excess of 10	
107	207	Claims in excess of 10	
108	208	Reissue claims in excess of 20	

SUBTOTAL (2) (\$)-0-

## **FEE CALCULATION (continued)**

### **3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
105	205	Surcharge- late filing fee or oath	
127	227	Surcharge- late provisional filing fee or cover sheet	
139	239	Non-English specification	
147	247	For filing a request for reexamination	
112	212	Requesting publication of SIR prior to Examiner action	
113	213	Requesting publication of SIR after Examiner action	
115	215	Extension for reply within first month	
116	216	Extension for reply within second month	
117	217	Extension for reply within third month	
118	218	Extension for reply within fourth month	
119	219	Extension for reply within fifth month	
120	220	Notice of Appeal	
121	221	Filing a brief in support of a claim	
122	222	Requesting for oral hearing	
136	236	Petition to institute a public use proceeding	
140	240	Petition to revive - unavoidable	
141	241	Petition to revive - unintentional	
142	242	Utility issue fee (or reissue)	
143	243	Design issue fee	
144	244	Plant issue fee	
122	222	Petitions to the Commissioner	
123	223	Petitions related to provisional applications	
126	226	Submission of Information Disclosure Stmt	
581	281	Recording each patent assignment per property (times number of properties)	
146	246	Filing a submission after final rejection (37 CFR 3.129(a))	
147	247	For each additional invention to be examined (37 CFR 3.112(b)(4))	
150	250	Request for continued examination (RCE)	
Other fee (specify):			
Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)-0-	

## **SUBMITTED BY**

Name of filer: Stephen R. May

Registration No: 29,255  
Attorney/Agent:

## **Complete if applicable**

Telephone: (509) 375-2387

PATENT

File No. B-1537

JUL 10 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
Applicant: BM JEONG, A GUTOWSKA	)	Art Unit: Unknown
S. N.: 09/833,460	)	Examiner: Unknown
Filed: 04/11/2001	)	Paper No: 1
For: THERMOGELLING BIODEGRADABLE	)	Our Ref. No: B-1537
AQUEOUS POLYMER SOLUTION	)	Date: 7/5/2001

Box PATENT APPLICATION  
Assistant Commissioner of Patents  
Washington, DC 20231

PRELIMINARY AMENDMENT

Dear Sir:

Applicant submits the following preliminary amendment to the above referenced application. No new matter has been added.

In the Specification:

Please replace paragraph 86 on page 27 with the following rewritten paragraph:

The graft copolymer PLGA-g-PEG was synthesized by a one-step ring opening polymerization of DL-lactide, glycolide, and epoxy terminated poly(ethylene glycol) (PEG; m.w.=600) using stannous octoate as a catalyst. The DL-lactic acid/glycolic acid/ethylene glycol mole ratio is 3.2/1/2.8, which was determined by H-NMR. Therefore, the grafting frequency of PEG is 4.7% by mole. Therefore, the grafting frequency of PEG is 4.7 % by mole. Gel permeation chromatography (GPC) using light scattering and refractive index detectors in series can give absolute molecular weight of polymers. (P.J. Wyatt, Anal. Chim. Acta, 1993, 272, 1) GPC shows a unimodal curve. The number average molecular weight (Mn) and polydispersity (Mw/Mn) of the polymers determined by GPC using tetrahydrofuran (THF) as an eluting solvent are 9300 and 1.5, respectively. Therefore, the 4-5 PEGs are grafted on a PLGA backbone.

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41